## What is claimed:

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8.

comprises a non-round cross-section.

1	1. An endoluminal device comprising a plurality of continuous filaments
2	braided together, at least one filament comprising at least one first region having a first
3	cross-sectional area and at least one second region having a second cross-sectional area,
4	wherein the first cross-sectional area is larger than the second cross-sectional area.
1	2. The endoluminal device of claim 1, wherein the at least one filament
2	comprises a step-change between the first region and the second region.
1	3. The endoluminal device of claim 1, wherein all of the plurality of
2	continuous filaments comprise a step-change between each first region and each second
3	region.
1	4. The endoluminal device of claim 1, wherein the at least one filament
2	comprises a tapered filament.
1	<ol><li>The endoluminal device of claim 1, wherein all of the plurality of</li></ol>
2	continuous filaments comprise tapered filaments.
1	6. The endoluminal device of claim 1, wherein the endoluminal device
2	comprises an end having atraumatic end windings.
	, and the same and
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1	7. The endoluminal device of claim 1, wherein the at least one filament
2	comprises a circular cross-section.

The endoluminal device of claim 1, wherein the at least one filament

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wire.

9. The endoluminal device of claim 1, wherein the endoluminal device 1 2 tapers from a first end having a first diameter to a second end having a second diameter 3 smaller than the first diameter. 10. The endoluminal device of claim 1, wherein the at least one filament 1 further comprises a third region having a cross-sectional area intermediate the first and 2 second cross-sectional areas. 3 11. The endoluminal device of claim 1, wherein a first end of the 1 2 endoluminal device has a first diameter and a second end of the endoluminal device has a 3 second diameter smaller than the first diameter. 12. The endoluminal device of claim 11, wherein the endoluminal device 1 comprises the first region of the filament having the first cross-sectional area at the first 2 3 end of the endoluminal device and the second region of the filament having the second cross-sectional area at the second end of the endoluminal device. 4 13. The endoluminal device of claim 12, wherein the endoluminal device 1 comprises an intermediate portion having a third diameter intermediate the first and 2 second diameters, and the intermediate portion comprises a third region of the at least one 3 filament having a third cross-sectional area intermediate the first and second cross-4 5 sectional areas. 1 14. The endoluminal device of claim 1 wherein the endoluminal device 2 comprises a first portion and a second portion, wherein the second portion is more flexible 3 than the first portion and comprises the second region of the at least one filament having the second cross-sectional area. 15. The endoluminal device of claim 1 wherein the filaments comprise 1

1 16. The endoluminal device of claim 15 wherein the wire comprises one 2 of: nitinol or stainless steel. 17. 1 The endoluminal device of claim 1 wherein the filaments comprise 2 polymeric material. 1 18. The endoluminal device of claim 1 wherein the endoluminal device 2 comprises a radially compressed configuration for introduction into a lumen and a radially 3 expanded configuration for deployment within the lumen. The endoluminal device of claim 18 wherein the endoluminal device 1 19. 2 is expandable between the radially compressed configuration and the radially expanded 3 configuration by one of: balloon expansion, self-expansion via spring elasticity, or selfexpansion via a thermally or stress-induced return of a pre-conditioned memory material. 4 The endoluminal device of claim 1 wherein the endoluminal device 20. 1 2 comprises one of: a 1:1 single filament braiding ratio, a 2:2 single filament braiding ratio, 3 or a 1:1 paired filament braiding ratio. 1 21. The endoluminal device of claim 1 further comprising a body and a 2 plurality of legs, wherein at least a first leg portion of each leg comprises a discrete 3 plurality of continuous filaments braided together and at least a first body portion of the body comprises at least one of said continuous filaments from each discrete plurality of continuous filaments braided together. 5 1 22. A method for treating a human being, the method comprising the 2 step of deploying within a lumen of the human being an endoluminal device comprising a 3 plurality of continuous filaments braided together, at least one filament comprising at least 4 one first region having a first cross-sectional area and at least one second region having a

- 5 second cross-sectional area, wherein the first cross-sectional area is larger than the second
- 6 cross-sectional area.